Event-06

EXPERT - TALK

Date: 04-08-2023

By

Data Science Club

Information and Communication Technology

Faculty of Technology

Marwadi University, Rajkot

Club Mentor:

Prof. Nishith Kotak

Assistant Professor,

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An Expert talk by **"Dr . Kumar Rajamani"** was held in ICT department by **"DS CLUB"** for semester – 3,5 students on 04-08-2023. The session was all about him sharing his immense experience that he holds in the field of AI and ML and guiding students towards the right path for making their career successful in the corporate world.

EXPERT'S BACKGROUND

"Dr . Kumar Rajamani" Senior Algorithm Manager at Chennai Based Company **KLA** delivered a talk on guiding students about making their firm career in the field of **Data Science and Machine Learning**. Mr. Kumar Rajamani has spend more than 20 years of his life in the field. He started his journey as "Dr . Rajamani" and has dedicted his 20 years of life working in various field of **AI** and **ML .**

He joined KLA as Senior Manager in company's Algorithm Research Division. He mentored the research team at Philips Research to build state of the art Deep Learning and Machine Learning algorithms for Fetal Ultrasound Analysis.

In early years of his career he and his team were exploring healthcare technologies for emerging to new heights in the market. One of the initiatives he was involved in is building Fundus Image Analysis Platform and Deep Learning algorithms.

He has successfully developed state of the art algorithm using Machine Learning approach for classifying Fundus Images and detecting Diabetic Retinopathy, Glaucoma and Dry Eye.

Prior to his assignment at Bosch, he was a Research Engineer at GE Global Research, working on Oncology Quantification, (DCE-MRI), Medical Image Registration.

He was associated with academics as well to small extend. He was chairperson and HOD of Information Technology Department at Amrita Vishwa Vidhyapeeth.

He started his corporate career as Senior Scientist. He was with Philips Research Asia-Bangalore for over an year. During his tenure he was actively involved with a project requiring signal processing and pattern classification.

He has a whopping total of around ten Invention Patents to his name.

He was been invited as guest lecturer as a part of the International Conference in ML , Medical Image , Analysis , Medical Image Registration pattern classification globally. He had also given pre-conference tutorial talks in IEEE and Springer International Conferences.

TOPICS OF DISCUSSION

- **Beginners:-** The importance of courses in learning phase was being discussed initially. The course can be either online or it can be part of one's academics. Learning the concepts from the scratch

- **Upgrade skills:-** After learning basics of data science one need to explore respective domains of interest. Data science consist of various sub domains Like **Big Data, Data Analysis, Statistics, Machine Learning, Computer Vision**. It can be used in many day-to-day life. Best fields to use data science are finance, health care, media and services , software and communication services. One need to identify the stream of interest and upgrade all the needed skill of developing logics and fast practice.

- **Learn from Experts:-** Learning from other's experiences is very important part of process of growing. It helps in many ways like **Accelerated Learning, Access to Resources, Mentorship and Guidance, Networking Opportunities** and many more. He specified you tube channel which helps to enrich knowledge which is "Yannic Kilcher" as well he mentioned about "NeurIPS". It appears that you are referring to "NeurIPS," which stands for the Conference on Neural Information Processing Systems. NeurIPS is one of the premier conferences in the field of artificial intelligence and machine learning. It is held annually and typically attracts a large and diverse community of researchers, engineers, and practitioners from academia and industry.

Participants: BTech ICT Sem-3 and Sem-5 (ML interested) Students (85 students)

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